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AAAAGAGGATAATTCAAGAAGGGCTTCTTTAAGGGACTATTTCCCAAGATGGGAATGGAGGGGAACCT
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GGACATGGAGGGAAAGTTCTACAGAGGAGGCACAGTGGGCTTCAGGAACACCCTGCTTGAGAGGCCTG
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GCACACAAGTATCTACAAGGCACCAGGCATTTTGTGAGCATTGTTGGGATTTGTCAGCAAACAAGTCAGA
CAAAAAACCTTGCTCTGGTGGAGGGAACATTCTAGCAAAGGAAGGCAAATGACAAGCAGGAGAAGTAT
TTGCTAAGAATGGCAATCCTGACGCTCAGCCTTCAACTCATCTTGTTATTAATACCATCAATATCCCA
TGAGGCTCATAAAACGAGTCTTTCTTCTTGAAACATGACCAAGATTGGGCAAACGTCTCCAACATGA
CTTTCAGCAACGGAAAACCTAAGAGTCAAAGGCATTTATTACCGGAATGCCGACATTTGCTCTCGACAT
CGCGTAACCTCAGCAGGCCTAACTCTGCAGGACCTTCACTATGGTGTAATTTGAGAATCATTCACTG
AGCATCAACTATGTAACCAGCATTGGGTTGGGTGCCAGAGATCCAAAGCTAAGACACCAAAACCTGCT
CTCCAGGAAACGAGAGGCTGAGAAGAGGGCCAGCAGGTGTCTGTCACTACTTGGAGCCGTGAGAGCAG
GGAGTGGGTGCTGGGCTGAGGAACCAGAGGTAATGGCCCTGGGGACGCCCCGGAAGAGATGAGTTTTG
AGGCAAAGGGATTTGCATTTGTGGATGAACCTGTGTGTTCACTGAAGGCTGAAGTTGTAACCTGAA
CCACAGGACAAAGCATGATGTGATGTCTTCTCACTAAATGGCAATGTCCTTGAGAAGACCCTGTCTT
AATCATCTCTGTGTCTCACGCCTGGCTCATAACATATGCTTATCGCATGCTTTTAATAAAAGGAGGAA
AATGC

FIG. 1A

AAAAAATACAGCAGGTGAAGGAGGTTGGAGAGTAGGGGGTGGAGGGCCACGCAGCACTTGTCTTCA
CCCTGGAGGGGATCTGTTACATGCCCCAGATTGCTGGTCCCCTAGAAATGTTACTGAGGCAGCCTCTG
CATTTTTGCAGGGATTGTTTTCTACTGTTTGACATTCACGTAACCTCCTAACGCTGTCTGGGGAAGAT
GCTACCCCCTGCTCTCCCCGTCTTTCCTGCACTCTCAGCAATGGGATGGGCTGACTGATGCCCTGTGG
GCTGGAAAGCTGACCACAGTTGCTGCAGACCAGACCCCTCACATAGTGAGTGCTGGGCTGAGGAATC
CAGGAGAGCCCGAGGGGGGACACTGAAGGTGTATCGTTGGCCCTGCCAGCTGCAAGTGAAGTCTTCT
GATGAATTTTAATAGGGAGAAAGAAGTATTTGCTAAGAATGGCAATCCTGACGCTCAGCCTTCAACTC
ATCTTGTTATTAATACCATCAATATCCCATGAGGCTCATAAAACGAGTCTTCTTCTTGAAACATGA
CCAAGATTGGGCAAACGTCTCCAACATGACTTTCAGCAACGGAAAACCTAAGAGTCAAAGGCATTTATT
ACCGGAATGCCGACATTTGCTCTCGACATCGCGTAACCTCAGCAGGCCTAACTCTGCAGGACCTTCAG
CTATGGTGTAATTTGAGGTCAGTGGCCAGAGGACAGATCCCGTCTACATTATGAGTGAAGCGGAGAGC
TACTGCAGGGTCTGAGCAGAGTCCTAATTTATATTTTAGAAGAATCATCATGGCTCCTAGATTAGGA
ATAAAACGAAGGGGGCCAGGGATGGAAACGATGAGTCCAGTTGGGTTACTGCAAAGATCCAGGCCAGA
AATCCAGGCACAGTGGCACACACCTGAGTCCCAGATAATTCCACCTACTGGTCTGCTCTGTGGCCTA
CTGGTCCGAGTCCAGCCCCGACTGATTTCTGGGCCTGTAATGTCTAAAACGCTCCCTGCTGATGTTT
TGCAAGTGACTGTGTTACTTGAAGGCAGTTCCTAGGATAAACTAGTCGCTTTATCATTACAGAATCAT
TCACTGAGCATCAACTATGTAACCAGCATTGGGTTGGGTGCCAGAGATCCAAAGCTAAGACACCAAAA
CCTGCTCTCCAGGAAACGAGAGGCTGAGAA

FIG. 1C

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GGTGGAGCCAAATAAGGGAATGAAAGCAGGCCACCGGAGCCTCGGAGAGGCAACCGTTTGGGGTACTC
TTCCACACTGTGGCAGCTTTGTTCTTTTGCTCTTTGCAGTAAGTTTTGCTGTTGCTTACTCTTTGGGT
CTGCACTGCCTTTATGAACTGTAACACTGACCATGGAGGTCTGCAGCTTCACTCCTCAAGCCAGCAAG
ACCAGGAGCCCACTGGGAGGAGGAATGAACAACCTCTGGACACGCCACCCCTTAAGAGCTGTAACACTCA
CCGCGACGGTCTGCAGCTTCACTCCTGAAGTCAGCGAGACCACAAACCCACCAGAAGGAAGAAAATCC
GGACACATCTGAACATCTGAGGGAACCCGCACACACCATCTTTAAGAACTGTAACACTCACCACGAG
GGCCCGTGGCTTCATTCTTGAAGTCAGCAAGACCAAGAACCCACCAATTCTGGACACAACAGGACACA
CACATGGGAGGGGGAGGCCAGAGGGAAACCTAGCTGGCTTGGGGTGGGAATTTGAATCCCTGAGCCCA
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TTAGGAGTATTCAATACAGATTTTGTGTATCACTATAAACAGTTCACAGCATGGACTACTGGTGTCT
CTTTACTAACTGAAATGGTGTCACTTAGCACCTTTAAATCTAATCCATTTAGAGAGCCAGTTCCGGAAA
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CTCCAGGGAAACAGAACCAATATGTTTTATTTACTATGGGGACTGGCTCATATGATTCTGGAGGCCTA
GAAGTCCCTCCCTCTCAAGATGTGCTGTCAGCAAGCTGCAGAACCAGGAAAGCTGGTGGTGTGAGAGT
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ACTGTTTGACATTACGTAACCTCCTAACGCTGTCTGGGGAAGATGCTACCCCTGCTCTCCCGTCT
TTCTGCACTCTCAGCAATGGGATGGGCTGACTGATGCCCTGTGGGCTGGAAAGCTGACCACAGTTGC
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ATCCCATGAGGCTCATAAAACGAGTCTTTCTTCTTGGAAACATGACCAAGATTGGGCAAACGTCTCCA
ACATGACTTTTCAGCAACGGAAAACCTAAGAGTCAAAGGCATTTATTACCGGAATGCCGACATTTGCTCT
CGACATCGCGTAACCTCAGCAGGCCTAACTCTGCAGGACCTTCAGCTATGGTGTAATTTGAGGTGAGT
GGCCAGAGGACAGATCCCGTCTACATTATGAGTGAAGCGGAGAGCTACTGCAGGGTTCTGAGCAGAGT
CCTAATTTATATTTTAGAAGAATCATCATGGCTCCTAGATTAGGAATAAAACGAAGGGGGCCAGGGAT
GGAAACGATGAGTCCAGTTGGGTACTGCAAAGATCCAGGCCAGAAATCCAGGCACAGTGGCACACAC
CTGAGTCCCAGATAATTCACCTACTGGTCTGTGTGGCCTACTGGTCCGAGTCCAGCCCCGACT
GATTTCTGGGCCTGTAATGTCTAAAAACGCTCCCTGCTGATGTTTTGCAAGTGACTGTGTTACTTGAA
GGCAGTTCCTAGGATAAACTAGTCGCTTTATC

FIG. 1B

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MAILTSLQLILLIPISHEAHKTSLSWKHDQDWANVSNMTFSNGKLRVKGIYYRNAD
ICSRHRVTSAGLTLQDLQLWCNLRRIH

Domain Information

Signal peptide:

1-19

N-glycosylation site.

38-42

41-45

FIG._2A

MAILMLSLQLILLIPISHEAHKTSLSWKHDQDWANVSNMTFSNGKLRVKGIYYRNAD
ICSRHRVTSAGLTLQDLQLWCNLRVARGQIPST

Domain Information

Signal peptide:

1-19

N-glycosylation site.

38-42

41-45

N-myristoylation site.

89-95

FIG._2B

MAILTSLQLILLIPISHEAHKTSLSWKHDQDWANVSNMTFSNGKLRVKGIYYRNAD
ICSRHRVTSAGLTLQDLQLWCNLRVARGQIPSTL

Domain Information

Signal peptide:

1-19

N-glycosylation sites

38-42

41-45

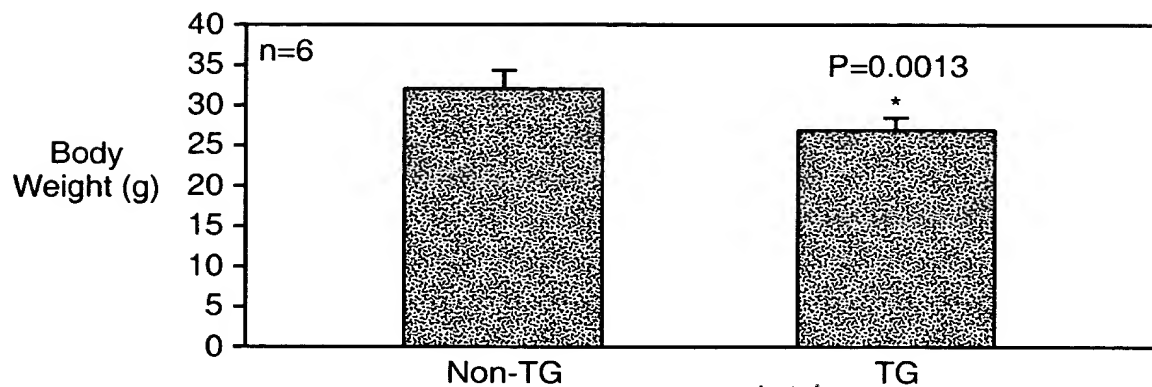
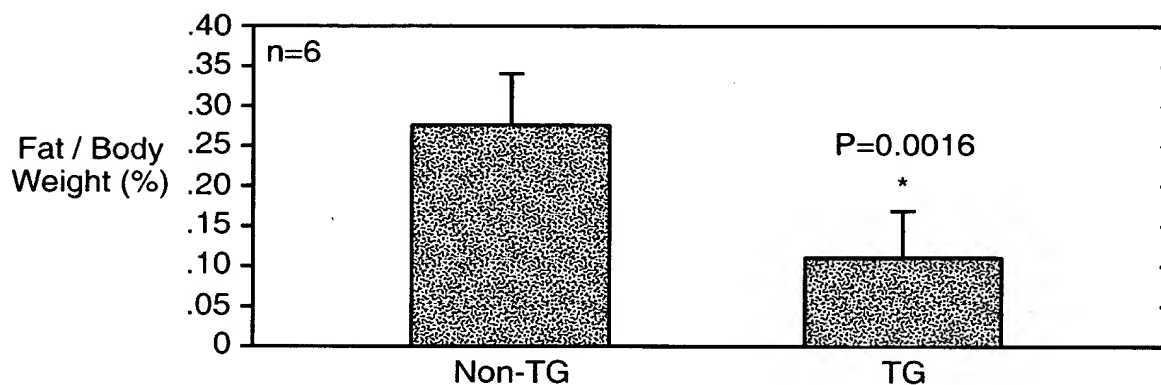
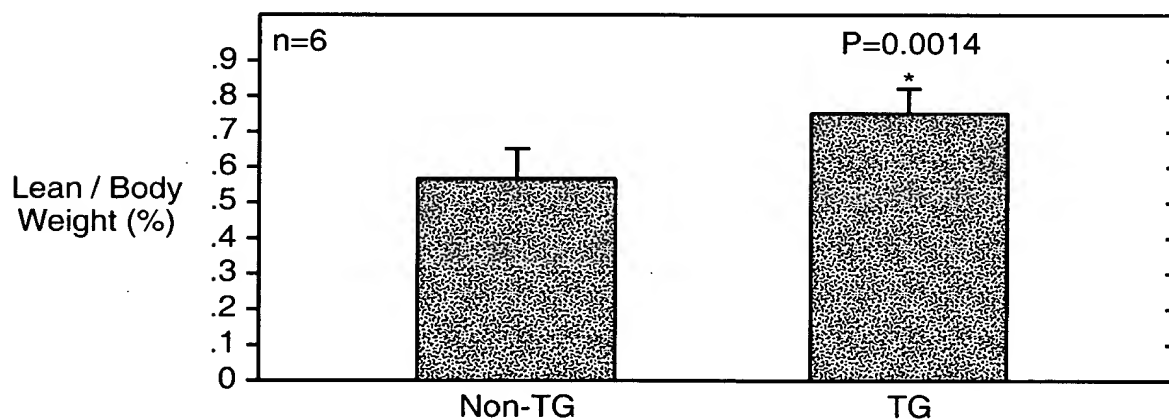
N-myristoylation sites

89-95

FIG._2C

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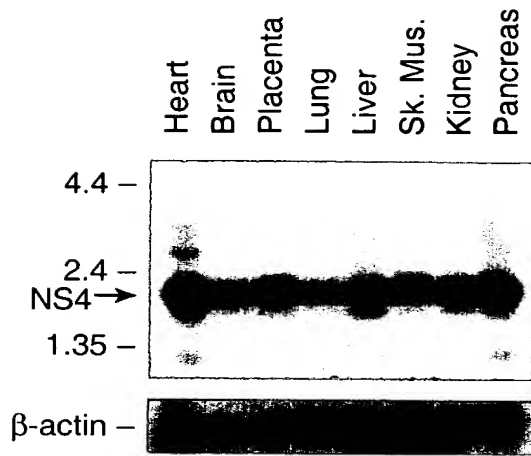
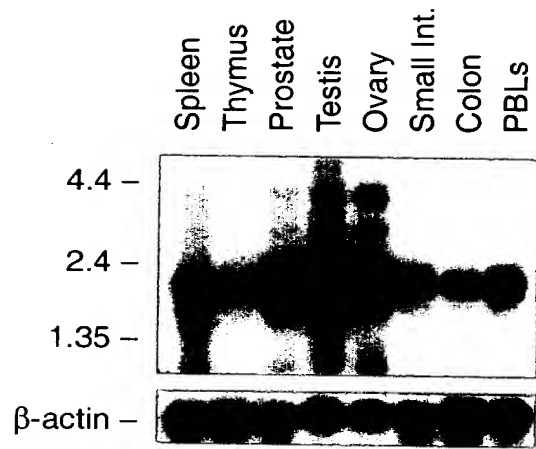
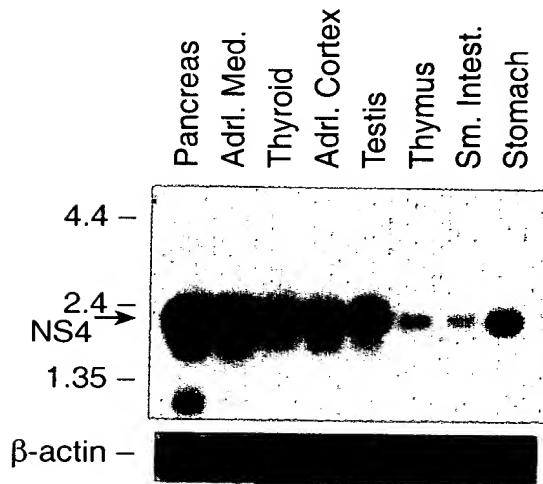
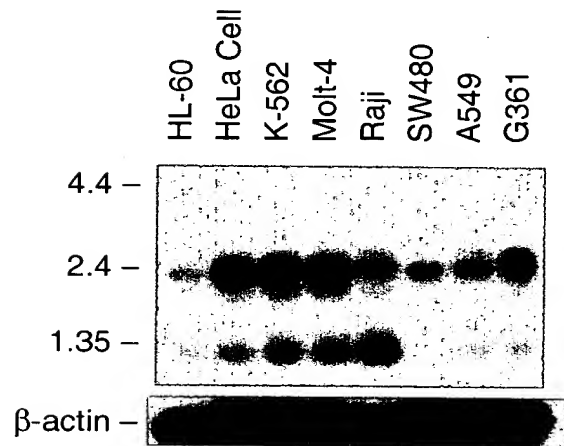
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**FIG._3A****FIG._3B****FIG._3C**

DNA146649	1	MAILTSLQLILLIPSISHEAHKTSLSWKHDQDWANVSNMTFSNGKLR
DNA149986	1	MAILMLSLQLILLIPSISHEAHKTSLSWKHDQDWANVSNMTFSNGKLR
DNA149995	1	MAILTSLQLILLIPSISHEAHKTSLSWKHDQDWANVSNMTFSNGKLR
DNA146649	51	VKGIYYRNADICSRHRVTSAGLTLQDLQLWCNLR I I H-----
DNA149986	51	VKGIYYRNADICSRHRVTSAGLTLQDLQLWCNLR SVARGQIPSTL
DNA149995	51	VKGIYYRNADICSRHRVTSAGLTLQDLQLWCNLR SVARGQIPSTL

FIG._4

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**FIG._5A****FIG._5B****FIG._5C****FIG._5D**

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